

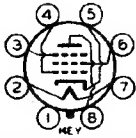


6SK7, 6SK7-GT/G

Shade
10/64

6SK7
6SK7-GT/G

TRIPLE-GRID SUPER-CONTROL AMPLIFIER

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
	6SK7	6SK7-GT/G
Direct Interelectrode Cap.	▲	▲▲
Grid to Plate	0.003 max.	0.005 max. μ f
Input	6.0	6.5 μ f
Output	7.0	7.5 μ f
Maximum Overall Length	2-5/8"	3-5/16"
Maximum Seated Height	2-1/16"	2-3/4"
Maximum Diameter	1-5/16"	1-5/16"
Bulb	Metal Shell, MT-8	T-9
Base	{ Small Wafer Octal 8-Pin	{ Small Wafer Octal 8-Pin, Sleeve
Basing Designation	8N	GT-8N
Pin 1 { 6SK7, Shell 6SK7-GT/G, Base Sleeve		Pin 4 - Grid
Pin 2 - Heater		Pin 5 - Cathode
Pin 3 - Suppressor		Pin 6 - Screen
Mounting Position		Pin 7 - Heater
		Pin 8 - Plate

BOTTOM VIEW

Maximum And Minimum Ratings Are Design-Center Values

AMPLIFIER

Plate Voltage	300 max.	volts
Screen Voltage	125 max.	volts
Screen Supply Voltage	300 max.	volts
Grid Voltage	0 min.	volts
Plate Dissipation	4.0 max.	watts
Screen Dissipation	0.4 max.	watt
Typical Operation and Characteristics - Class A ₁ Amplifier:		
Plate	100	250 volts
Screen	100	100 volts
Grid	-1	-3 volts
Suppressor	Connected to cathode at socket	
Plate Res.	0.12	0.8 approx. megohm
Transconc.	2350	2000 μ hos
Grid Bias for		
transcond. of 10 μ hos	-35	-35 volts
Plate Cur.	13	9.2 ma.
Screen Cur.	4.0	2.6 ma.

■ In circuits where the cathode is not connected directly to the heater, the potential difference between heater and cathode should be kept as low as possible.

▲ With shell connected to cathode.

▲▲ With shield connected to cathode.

Dec. 1, 1942

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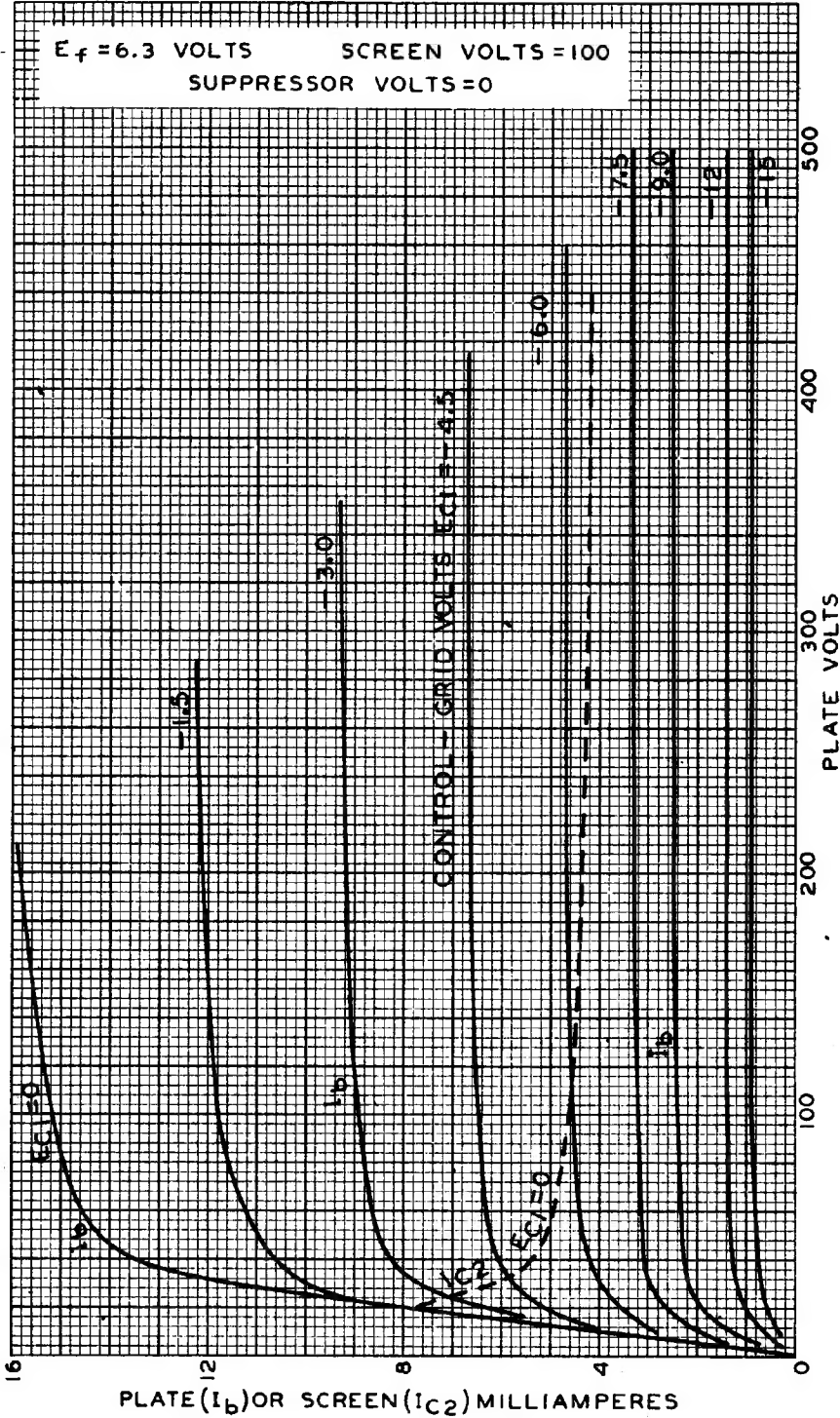
DATA

6SK7



6SK7

AVERAGE PLATE CHARACTERISTICS



JUNE 24, 1938

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92C-4940

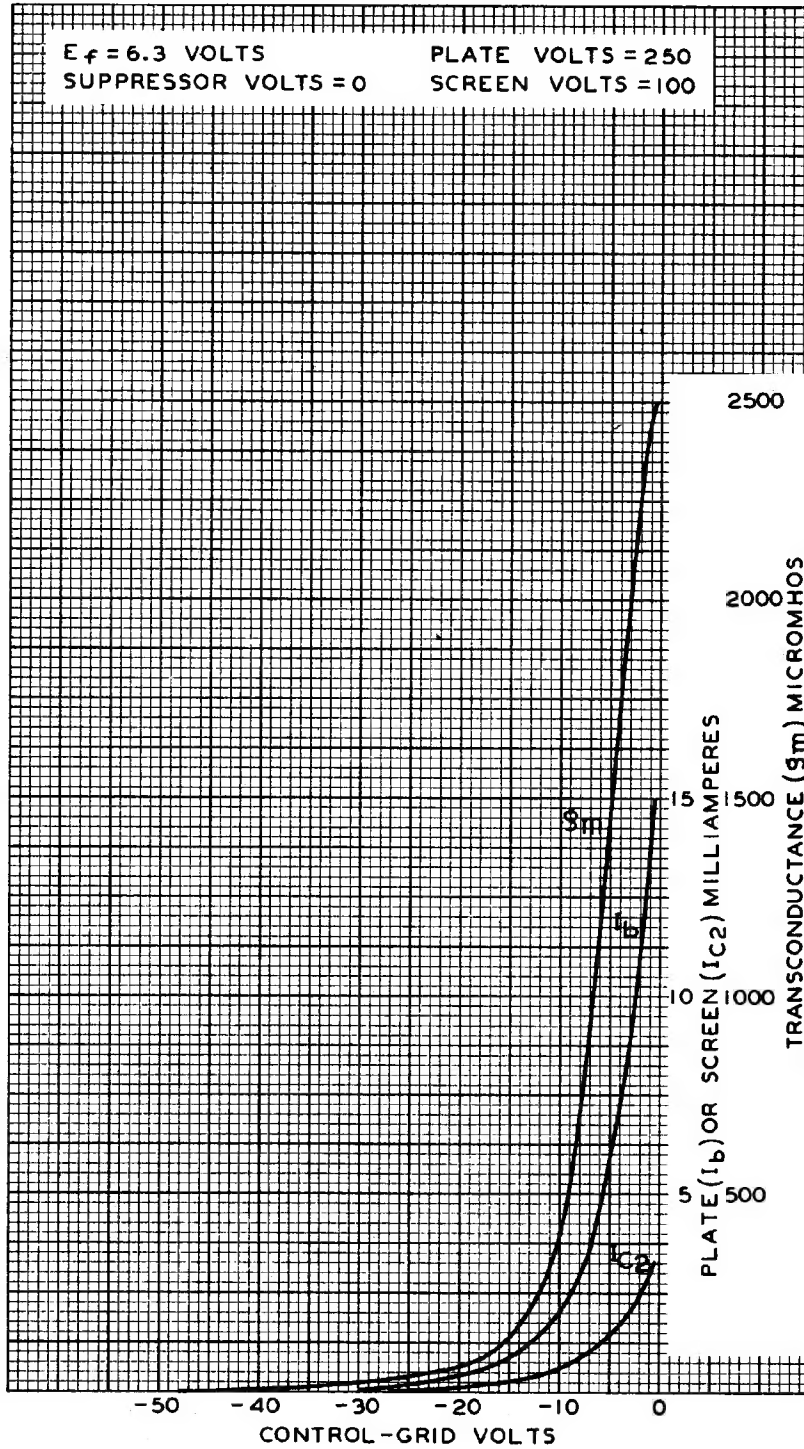


6SK7

Assemble
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6SK7

AVERAGE CHARACTERISTICS



JUNE 23, 1938

RCA RADIODOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

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